

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF

THE DEPENDENT RESURVEY OF

A PORTION OF THE SUBDIVISIONAL LINES,

A

PORTION OF THE SUBDIVISION OF SECTION 6,

AND THE

METES AND BOUNDS SURVEY OF LOT 9 WITHIN SECTION 6,

IN

TOWNSHIP 16 SOUTH, RANGE 7 EAST

OF THE SALT LAKE MERIDIAN
IN THE STATE OF UTAH

EXECUTED BY

Merrill D. Cazier
U.S.D.A. Forest Service Land Surveyor

Under Special Instructions dated **April 29, 2011**, approved **April 29, 2011**, which provided for the surveys included under Group Number **1164**, and Assignment Instructions dated **April 29, 2011**.

Survey commenced **June 1, 2011**
Survey completed **July 14, 2011**

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INDEX DIAGRAM

Township 16 South, Range 7 East, Salt Lake Meridian, Utah

6 3	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

The Subdivision of Section 6Page 3
Metes and Bounds Survey of Lot 9 within Section 6.....Page 4
Administrative Survey of the Crandall Canyon TrailPage 5

TOWNSHIP 16 SOUTH, RANGE 7 EAST, SALT LAKE MERIDIAN, UTAH

The following field notes are those of the dependent resurvey of a portion of the subdivisional lines, a survey of a portion of subdivision of section 6, and the metes and bounds survey of lot 9, within section 6, in Township 16 South, Range 7 East, Salt Lake Meridian, Utah.

History of Surveys

Surveyed by		Retr. or Resurveyed by	
SOUTH BOUNDARY			
All	J.C. Dick	1900	
Portion		E. Bird	1946
		J.L. Thomas	1969
		J.L. Thomas	1976-78
EAST BOUNDARY			
All	J.C. Dick	1900	
Portion		G.E. Reynolds	1976
All		J.L. Thomas	1976
WEST BOUNDARY			
All	J.C. Dick	1900	
NORTH BOUNDARY (Third Standard Parallel South)			
All	A.D. Ferron	1873	
All		J.C. Dick	1900
All		J.L. Thomas	1978
SUBDIVISION			
All	J.C. Dick	1900	
Portion		B.S. Owens	1961
Portion		J.L. Thomas	1976-78

TOWNSHIP 16 SOUTH, RANGE 7 EAST, SALT LAKE MERIDIAN, UTAH

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 2009, and the Special Instructions for Group No. 1164, dated April 29, 2011.

The direction of the lines was determined by references to true meridians, established by Global Positioning System (GPS) utilizing Real-Time Kinematic (RTK) techniques throughout the survey. The positional accuracy of this survey complies with the *Standards for the Positional accuracy of Cadastral surveys when using Global Navigation Satellite Systems (GNSS) dated February 23, 2009*. Trimble model R-8 GPS receivers were used for field collection. Cadastral Automated Plat Drafting (CAPD) software was the primary software utilized for the project calculations.

Preliminary to the resurvey, the lines of the prior surveys were retraced and search was made for all corners and other calls of record. The retracement data was thoroughly verified and only the true line field notes are given herein.

Geodetic control was derived from GPS static observation, post processed by the National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS): CARBON COUNTY COU CORS ARP, MYTON 5 CORS ARP, MARYSVALE UT2006 CORS ARP, SALT LAKE CITY CORS ARP, MYTON 2 CORS ARP and SALT LAKE WAAS 1 CORS ARP. The geographic positions, for the corners listed below where determined by direct RTK methods from the National Geodetic Survey OPUS solutions to a Network Accuracy = 0.200 meter at 95% confidence.

The geographic position of the 1/4 section corner of sections 5 and 6, T. 16 S., R. 7 E., Salt Lake Meridian, Utah, is as follows:

Latitude: **39°27'35.520" N.**
Longitude: **111°10'15.240" W.**
N.A.D. 1983

The geographic position of the 1/4 section corner of section 6 only on the west boundary of T. 16 S., R. 7 E., Salt Lake Meridian, Utah, is as follows:

Latitude: **39°27'36.929" N.**
Longitude: **111°10'56.670" W.**
N.A.D. 1983

NOTE: All monuments set in this survey are U.S. Department of Agriculture, Forest Service, Cadastral Survey, aluminum posts and caps marked as indicated herein.

The United State Department of Agriculture, Forest Service, as determined via an Administrative Survey Line of the Crandall Canyon Trail, that an easement will be maintained with a 5 feet offset on either side of the center line.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES
OF TOWNSHIP 16 SOUTH, RANGE 7 EAST, SALT LAKE MERIDIAN, UTAH
CHAINS

Dependent Resurvey of a portion of the Subdivisional Lines
of Township 16 South, Range 7 East, Salt Lake Meridian, Utah

Reestablishment of the Survey Executed by J.L. Thomas
in 1976-78

Beginning at the section corner of sections 5, 6, 7, and 8, monumented with an iron post, 2 1/2 inches diameter, firmly set, in mound of stone, with brass cap marked as described in the official record of the 1978 resurvey; with an aluminum sign post alongside iron post.

N. 2°35.7' W., between sections 5 and 6.

34.684 Point for Angle Point 1 of Lot 9.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 26 inches in the ground with magnet at base, in a collar of stone, with aluminum cap marked:

AP COR 1

2011

Set a 6' aluminum sign post alongside aluminum post.

38.859 Intersect the Crandall Canyon Trail, hereinafter described.

39.684 The 1/4 section corner of sections 5 and 6, identical with Angle Point 4 of Lot 9, monumented with an iron post, 2 1/2 inches diameter, firmly set, projecting 4 inches above ground with brass cap marked as described in the official record of the 1978 resurvey; with an aluminum sign post alongside iron post.

From which the Crandall Canyon Miners Monument bears
S. 49°38.5' W., 4.924 chains distance.

The Subdivision of Section 6,
Township 16 South, Range 7 East, Salt Lake Meridian, Utah

From 1/4 section corner of sections 5 and 6.

N. 87°29.3' W., along the E-W centerline of section 6.

Point for Angle Point 3 of Lot 9.

THE SUBDIVISION OF SECTION 6,
TOWNSHIP 16 SOUTH, RANGE 7 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

- 5.000 Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 26 inches in the ground with magnet at base, in a collar of stone, with aluminum cap marked:

AP
COR 3

2011

Set a 6' aluminum sign post alongside aluminum post.

- 49.300 The 1/4 section corner of section 6 only on the west boundary of township, monumented with an iron post, 2 1/2 inches diameter, firmly set in a mound of stone, with brass cap marked as described in the official record of the 1978 resurvey; with an aluminum sign post alongside iron post.

Metes and Bounds Survey of Lot 9 within Section 6, in
Township 16 South, Range 7 East, Salt Lake Meridian, Utah.

From Angle Point 1 of Lot 9.

N. 87°29.3' W., along the south boundary of Lot 9, parallel with the E-W centerline of section 6.

- 5.000 Point for Angle Point 2 of Lot 9.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 26 inches in the ground with magnet at base, in a collar of stone, with aluminum cap marked:

AP
COR 2

2011

Set a 6' aluminum sign post alongside aluminum post.

N. 2°35.7' W., along the west boundary of Lot 9, parallel with the section line between sections 5 and 6.

- 2.511 Intersect the Crandall Canyon Trail, hereinafter described.
- 5.000 Angle Point 3 of Lot 9.

S. 87°29.3' E., along the E-W centerline of section 6.

METES AND BOUNDS SURVEY OF LOT 9 , IN SEC. 6,
TOWNSHIP 16 SOUTH., RANGE 7 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

- 5.000 Angle Point 4 of Lot 9, identical with 1/4 section corner of sections 5 and 6.

S. 2°35.7' E., along the line between sections 5 and 6.

- 5.000 Angle Point 1, of Lot 9, and point of beginning.

Administrative Survey of the Crandall Canyon Trail through
Lot 9, Section 6 of Township 16 South, Range 7 East,
Salt Lake Meridian, Utah.

Beginning at a point on the section line between sections 5 and 6 identical to the approximate center line of the Crandall Canyon Trail running through Lot 9 of Section 6, in T. 16 S., R. 7 E., Salt Lake Meridian, Utah, not monumented.

From which the 1/4 section corner of section 5 and 6, bears N. 2°35.7' W., 0.825 chains distance.

And from this same point Angle Point 1 of Lot 9, Section 6, T. 16 S., R. 7 E., bears S. 2°35.7' E., 4.175 chains distance.

S. 51° 38.3' W., along the Crandall Canyon Trail.

- 0.550 Point for an Angle Point, at the approximate center of the Crandall Canyon Trail, not monumented.

S. 71°53.3' W., along the Crandall Canyon Trail.

- 0.484 Point for an Angle Point, at the approximate center of the Crandall Canyon Trail, not monumented.

N. 76°49.3' W., along the Crandall Canyon Trail.

- 0.481 Point for an Angle Point, at the approximate center of the Crandall Canyon Trail, not monumented.

S. 78°13.2' W., along the Crandall Canyon Trail.

- 0.999 Point for an Angle Point, at the approximate center of the Crandall Canyon Trail, not monumented.

S. 70°06.7' W., along the Crandall Canyon Trail.

- 0.948 Point for an Angle Point, at the approximate center of the Crandall Canyon Trail, not monumented.

S. 88°08.4' W., along the Crandall Canyon Trail.

- 0.597 Point for an Angle Point, at the approximate center of the Crandall Canyon Trail, not monumented.

ADMINISTRATIVE SURVEY OF THE CRANDALL CANYON TRAIL THROUGH LOT 9,
SECTION 6 OF TOWNSHIP 16 SOUTH, RANGE 7 EAST.,
SALT LAKE MERIDIAN, UTAH.

CHAINS

S. $41^{\circ}47.0'$ W., along the Crandall Canyon Trail.

0.670 Point for an Angle Point, at the approximate center of the
Crandall Canyon Trail, not monumented.

S. $88^{\circ}18.1'$ W., along the Crandall Canyon Trail.

0.649 Intersect the West boundary of Lot 9, Section 6, at the
approximate center of the Crandall Canyon Trail, in T. 16 S., R.
7 E., Salt Lake Meridian, Utah, not monumented.

From which Angle Point 2, of Lot 9, Section 6, T. 16 S., R. 7 E.,
bears S. $2^{\circ}35.7'$ E., 2.511 chains distance.

And from this same point Angle Point 3 of Lot 9, Section 6,
T. 16 S., R. 7 E., bears N. $2^{\circ}35.7'$ W., 2.489 chains distance.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

Name	Capacity
Oliver Boone	Survey Technician
Terry Kessel	Survey Technician
Ford Baker	Land Surveyor

CERTIFICATE OF SURVEY

I, Merrill D. Cazier, *U.S.D.A. Forest Service Land Surveyor*, HEREBY CERTIFY upon honor, that in pursuance of Special Instructions bearing the date of the *29th day of April, 2011*, I have *dependently resurveyed a portion the subdivisional lines, surveyed a portion of the subdivision of section 6 and the metes and bounds survey of lot 9 within section 6, in Township 16 South, Range 7 East*, of the *Salt Lake Meridian*, in the State of *Utah*, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said Special Instructions, the Manual of Instructions of the Survey of the Public Lands of the United States 2009, and in specific manner described in the foregoing field notes.

8-23-11

Date

Merrill D. Cazier

(Forest Service Land Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Salt Lake City, Utah

The foregoing field notes of the *dependent resurvey of a portion of the subdivisional lines, the survey of a portion of the subdivision of section 6 and the metes and bounds survey of lot 9 within section 6, in Township 16 South, Range 7 East*, of the *Salt Lake Meridian, Utah*, executed by *Merrill D. Cazier, U.S.D.A. Forest Service Land Surveyor*, having been critically examined and found correct, are hereby approved.

September 2, 2011

Date

Daniel W. Webb

(Chief Cadastral Surveyor for Utah)